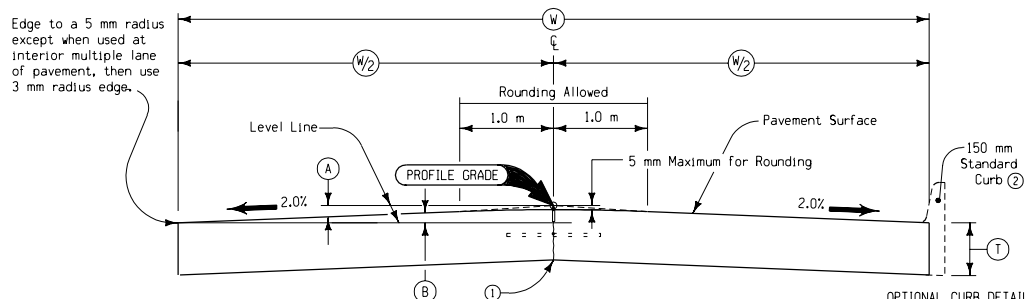


TYPICAL PAVEMENT PLAN



TYPICAL CROSS SECTION

# GENERAL NOTES:

Details indicated on the plan illustrate the general requirements for Two-Lane P.C. Concrete Pavements 6.6, 7.2, 7.6, or 8.4 meters in width. Unless specifically authorized otherwise, the methods and materials used in the construction of this pavement shall be in conformance with current Standard and Supplemental Specifications for Concrete Pavement. Refer to individual project plans for specific dimensional requirements and other details of pavement construction.

Refer to Standard Road Plans RH-50, 51 and 52 for details of construction of joints in pavement. Joint layout shall be skewed as shown, 6:1 right ahead except at pavement intersection areas and other locations specifically designated by the Engineer. End of day's work joint and joints at bridge approach section shall be constructed perpendicular to centerline. Transverse Joints will be 'CD' except when 'C' joints are specifically required as a part part of detail project plans or when T is less than 200 millimeters.

Normal crown shall be a straight line sloped each way from centerline profile grade for the distance and rate indicated. Rounding to a maximum depth of 5 millimeters below profile grade will be allowed as indicated. This crown may be varied through super-elevated curves and intersection areas where special shaping is required or other areas specifically authorized by the Engineer.

The price bid for "Standard or Slip-Form P.C.C. Pavement" class and thickness as specified, in square meters, shall be considered full compensation for the construction of pavement as detailed hereon, including all required joints.

PER STATION DESIGN VALUES FOR PAVEMENT SECTION																
WIDTH	ITEM	UNIT	T=150	T=160	T=170	T=180	T=190	T=200	T=210	T=220	T=230	T=240	T=250	T=260	T=270	T=280
6.6 m	Section Area	m <sup>2</sup>	0.990	1.056	1.122	1.188	1.254	1.320	1.386	1.452	1.518	1.584	1.650	1.716	1.782	1.848
	Concrete Volume	m <sup>3</sup>	99.0	105.6	112.2	118.8	125.4	132.0	138.6	145.2	151.8	158.4	165.0	171.6	178.2	184.8
	Surface Area	m <sup>2</sup>	660	660	660	660	660	660	660	660	660	660	660	660	660	660
7.2 m	Section Area	m <sup>2</sup>	1.080	1.152	1.224	1.296	1.368	1.440	1.512	1.584	1.656	1.728	1.800	1.872	1.944	2.016
	Concrete Volume	m <sup>3</sup>	108.0	115.2	122.4	129.6	136.8	144.0	151.2	158.4	165.6	172.8	180.0	187.2	194.4	201.6
	Surface Area	m <sup>2</sup>	720	720	720	720	720	720	720	720	720	720	720	720	720	720
7.6 m	Section Area	m <sup>2</sup>	1.189	1.265	1.341	1.417	1.493	1.569	1.645	1.721	1.797	1.873	1.949	2.025	2.101	2.177
	Concrete Volume	m <sup>3</sup>	118.9	126.5	134.1	141.7	149.3	156.9	164.5	172.1	179.7	187.3	194.9	202.5	210.1	217.7
	Surface Area	m <sup>2</sup>	760	760	760	760	760	760	760	760	760	760	760	760	760	760
8.4 m	Section Area	m <sup>2</sup>	1.309	1.393	1.477	1.561	1.645	1.729	1.813	1.897	1.981	2.065	2.149	2.233	2.317	2.401
	Concrete Volume	m <sup>3</sup>	130.9	139.3	147.7	156.1	164.5	172.9	181.3	189.7	198.1	206.5	214.9	223.3	231.7	240.1
	Surface Area	m <sup>2</sup>	840	840	840	840	840	840	840	840	840	840	840	840	840	840

OFFSETS FOR 6.6, 7.2, 7.6, AND 8.4 METER PAVEMENT											
W	Distance From C	0	1.0 m	2.0 m	3.0 m	3.3 m	3.6 m	3.8 m	4.0 m	4.2 m	
6.6, 7.2, 7.6, and 8.4 m	(A)	mm	0	20	40	60	66	72	80	84	
6.6 m	(B)	mm	66	46	26	6	0	---	---	---	
7.2 m	(B)	mm	72	52	32	12	6	0	---	---	
7.6 m	(B)	mm	76	56	36	16	10	4	0	---	
8.4 m	(B)	mm	84	64	44	24	18	12	8	4	0

- Joints will be:  
'L-1' or 'BT-1' for T less than 200 millimeters.  
'L-2' or 'KT-2' for T greater or equal to 200 millimeters.
- Curb option applies to the 7.6 or 8.4 meter pavement.
- Includes quantities for 150 millimeter curb.

All dimensions given in millimeters unless noted.

<b>M</b>	<b>Iowa Department of Transportation</b>	
	<b>Project Development Division</b>	
	<b>STANDARD ROAD PLAN</b>	<b>RH-22</b>
	REVISION: Revise pavement width and corresponding Offsets and Design Quantities. <i>David P. Smith</i> 09-14-98 APPROVED BY DESIGN METHODS ENGINEER	
	REVISION NO. 11 REVISION DATE 01-12-99	

NON-REINFORCED TWO-LANE  
P.C. CONCRETE PAVEMENT